

PCT REQUEST

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PU4825WO

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| | | |
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| 0 | For receiving Office use only | |
| 0-1 | International Application No. | |
| 0-2 | International Filing Date | |
| 0-3 | Name of receiving Office and "PCT International Application" | |
| 0-4 | Form - PCT/RO/101 PCT Request | |
| 0-4-1 | Prepared using | PCT-EASY Version 2.92 (updated 01.01.2003) |
| 0-5 | Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty | |
| 0-6 | Receiving Office (specified by the applicant) | United States Patent and Trademark Office (USPTO) (RO/US) |
| 0-7 | Applicant's or agent's file reference | PU4825WO |
| I | Title of invention | COMPOSITIONS AND METHODS FOR EVALUATING AND DESIGNING NUCLEAR RECEPTOR LIGANDS THAT MODULATE CO-REGULATOR AFFINITY |
| II | Applicant | |
| II-1 | This person is: | applicant only |
| II-2 | Applicant for | all designated States except US |
| II-4 | Name | SMITHKLINE BEECHAM CORPORATION |
| II-5 | Address: | One Franklin Plaza Philadelphai, PA 19101 United States of America |
| II-6 | State of nationality | US |
| II-7 | State of residence | US |
| II-8 | Telephone No. | 919-483-2370 |
| II-9 | Facsimile No. | 919-483-7988 |
| III-1 | Applicant and/or inventor | |
| III-1-1 | This person is: | applicant and inventor |
| III-1-2 | Applicant for | US only |
| III-1-4 | Name (LAST, First) | BLANCHARD, Steven, Gerard |
| III-1-5 | Address: | GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America |
| III-1-6 | State of nationality | US |
| III-1-7 | State of residence | US |

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| III-2 | Applicant and/or inventor | |
| III-2-1 | This person is: | applicant and inventor |
| III-2-2 | Applicant for | US only |
| III-2-4 | Name (LAST, First) | STANLEY, Thomas, B |
| III-2-5 | Address: | GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America |
| III-2-6 | State of nationality | US |
| III-2-7 | State of residence | US |
| III-3 | Applicant and/or inventor | |
| III-3-1 | This person is: | applicant and inventor |
| III-3-2 | Applicant for | US only |
| III-3-4 | Name (LAST, First) | STIMMEL, Julie, Beth |
| III-3-5 | Address: | GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America |
| III-3-6 | State of nationality | US |
| III-3-7 | State of residence | US |
| IV-1 | Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: | agent |
| IV-1-1 | Name (LAST, First) | LEVY, David, J |
| IV-1-2 | Address: | GlaxoSmithKline Five Moore Drive PO Box 13398 Research Triangle Park, NC 27709 United States of America |
| IV-1-3 | Telephone No. | 919-483-2370 |
| IV-1-4 | Facsimile No. | 919-483-7988 |
| IV-2 | Additional agent(s) | additional agent(s) with same address as first named agent |
| IV-2-1 | Name(s) | CONGER, Michael, M |

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| V | Designation of States | |
| V-1 | Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned) | <p>AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT</p> <p>EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT</p> <p>EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT</p> <p>OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT</p> |
| V-2 | National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned) | <p>AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW</p> |
| V-5 | Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. | |
| V-6 | Exclusion(s) from precautionary designations | NONE |
| VI-1 | Priority claim of earlier national application | |
| VI-1-1 | Filing date | 12 April 2002 (12.04.2002) |
| VI-1-2 | Number | 60/372,524 |
| VI-1-3 | Country | US |

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| VI-2 | Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | VI-1 | |
| VII-1 | International Searching Authority Chosen | United States Patent and Trademark Office (USPTO) (ISA/US) | |
| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the inventor | — | |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | — | |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | — | |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America) | — | |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | — | |
| IX | Check list | number of sheets | electronic file(s) attached |
| IX-1 | Request (including declaration sheets) | 5 | — |
| IX-2 | Description (excluding sequence listing part) | 29 | — |
| IX-3 | Claims | 2 | — |
| IX-4 | Abstract | 1 | EZABST00.TXT |
| IX-5 | Drawings | 7 | — |
| IX-7a | Sub-total number of sheets | 44 | |
| IX-6 | Sequence listing part of description | 3 | — |
| IX-7 | TOTAL | 47 | |

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| | Accompanying items | paper document(s) attached | electronic file(s) attached |
|----------------|--|---|-----------------------------|
| IX-8 | Fee calculation sheet | ✓ | - |
| IX-11 | Copy of general power of attorney | reference no. SB Corp | - |
| IX-12 | Statement explaining lack of signature | ✓ | - |
| IX-16 | Sequence listing in computer readable form: | | |
| IX-16 - (i) | copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application) | - | 1 Diskette |
| IX-17 | PCT-EASY diskette | - | Diskette |
| IX-18 | Other (specified): | Copy of POA authorizing signature of D. Levy | - |
| IX-18 | Other (specified): | Statement regarding paper and electronic sequence list | - |
| IX-19 | Figure of the drawings which should accompany the abstract | unknown | |
| IX-20 | Language of filing of the international application | English | |
| X-1 | Signature of applicant, agent or common representative |  | |
| X-1-1 | Name (LAST, First) | CONGER, Michael, M | |

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| 10-1 | Date of actual receipt of the purported international application | |
| 10-2 | Drawings: | |
| 10-2-1 | Received | |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/US |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |

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| 11-1 | Date of receipt of the record copy by the International Bureau | |
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PCT (ANNEX - FEE CALCULATION SHEET)

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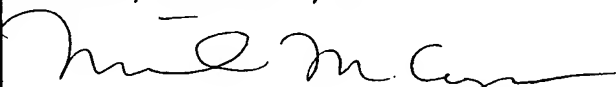
(This sheet is not part of and does not count as a sheet of the international application)

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| 0 | For receiving Office use only | |
| 0-1 | International Application No. | |
| 0-2 | Date stamp of the receiving Office | |
| 0-4 | Form - PCT/RO/101 (Annex) | |
| 0-4-1 | PCT Fee Calculation Sheet Prepared using | PCT-EASY Version 2.92 (updated 01.01.2003) |
| 0-9 | Applicant's or agent's file reference | PU4825WO |
| 2 | Applicant | SMITHKLINE BEECHAM CORPORATION, et al. |
| 12 | Calculation of prescribed fees | fee amount/multiplier Total amounts (USD) |
| 12-1 | Transmittal fee T | \Rightarrow 240 |
| 12-2-1 | Search fee S | \Rightarrow 700 |
| 12-2-2 | International search to be carried out by | US |
| 12-3 | International fee | |
| | Basic fee (first 30 sheets) b1 | 407 |
| 12-4 | Remaining sheets | 17 |
| 12-5 | Additional amount (X) | 9 |
| 12-6 | Total additional amount b2 | 153 |
| 12-7 | b1 + b2 = B | 560 |
| 12-8 | Designation fees | |
| | Number of designations contained in international application | 95 |
| 12-9 | Number of designation fees payable (maximum 5) | 5 |
| 12-10 | Amount of designation fee (X) | 88 |
| 12-11 | Total designation fees D | 440 |
| 12-12 | PCT-EASY fee reduction R | -125 |
| 12-13 | Total International fee (B+D-R) I | \Rightarrow 875 |
| 12-14 | Fee for priority document | |
| | Number of priority documents requested | 1 |
| 12-15 | Fee per document (X) | 20 |
| 12-16 | Total priority document fee P | \Rightarrow 20 |
| 12-17 | TOTAL FEES PAYABLE (T+S+I+P) | \Rightarrow 1,835 |
| 12-19 | Mode of payment | authorization to charge deposit account |
| 12-20 | Deposit account instructions The receiving Office: | United States Patent and Trademark Office (USPTO) (RO/US) |
| 12-20-1 | Authorization to charge the total fees indicated above. | <input checked="" type="checkbox"/> |
| 12-20-2 | Authorization to charge any deficiency or credit any overpayment in the total fees indicated above. | <input checked="" type="checkbox"/> |

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| 12-20-3 | Authorization to charge the fee for priority document. | ✓ |
| 12-21 | Deposit account No. | 07-1392 |
| 12-22 | Date | 11 April 2003 (11.04.2003) |
| 12-23 | Name and signature | CONGER, Michael, M  |

VALIDATION LOG AND REMARKS

| | | |
|--------|-----------------------------|---|
| 13-2-1 | Validation messages Request | Green? The title of the invention shall be short and precise. Please verify. |
| 13-2-9 | Validation messages Payment | Green? Please ensure that you have a valid deposit account with the receiving Office selected. |